

WHAT IS CLAIMED IS:

1. A turbine nozzle, comprising:
airfoils stacked along the stacking axis,
wherein the high curvature portions on suction surface in airfoil section successively formed along the stacking axis of the airfoil describe a parabola line that curves toward the pressure side of the airfoil when seen from the front or rear of the turbine nozzle,
wherein the high curvature portions on suction surface in airfoil section curve most at the center along the stacking axis of the airfoil from a straight line that connects with a first intersection between the parabola line and an inner band in the turbine nozzle and with a second intersection between the parabola line and an outer band in the turbine nozzle, and
wherein the maximum curvature falls within a range from 0.02 to 0.03-fold of the stacking axis of the airfoil.